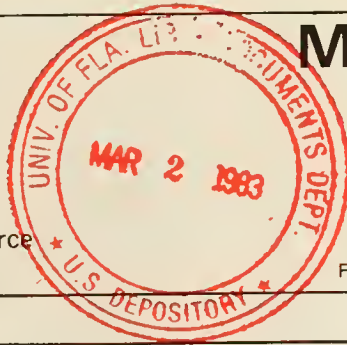




U.S. Department of Commerce
BUREAU OF THE CENSUS



Manufacturers' Shipments, Inventories, and Orders

DECEMBER 1982

M3-1 (82)-12
FOR WIRE TRANSMISSION 2:00 P.M. E.S.T. TUESDAY, FEBRUARY 1, 1983

(All figures in text below are in seasonally adjusted current dollars.)

New orders for manufactured goods in December increased \$7.3 billion or 4.8 percent to \$157.6 billion the Department of Commerce, Bureau of the Census reported today. This increase was due to large orders in the defense capital goods sector. Excluding that category, December new orders were down slightly from November by 0.1 percent. New orders for manufactured goods for all of 1982 totaled \$1,863.4 billion, 6.4 percent below 1981. Excluding defense orders, new orders for manufactured goods for the year totaled \$1,789.4 billion, 7.4 percent below 1981.

Shipments of manufactured goods in December declined \$0.9 billion or 0.6 percent from November to \$151.4 billion. This is the third consecutive monthly decline and the eighth for the year. Manufacturers' shipments for all of 1982 totaled \$1,884.7 billion, down 5.5 percent from 1981. The value of the orders backlog held by manufacturers increased in December \$6.2 billion or 2.1 percent to \$297.3 billion. This is the first monthly increase in the series since July 1981 when the backlog was \$328.9 billion. The December increase was due to the increase in defense orders. Excluding the defense orders backlog, unfilled orders in December declined 0.6 percent from November and 16.1 percent from December 1981.

The book value of manufacturers' inventories decreased in December \$2.6 billion or 1.0 percent to \$266.7 billion. Except for a 0.2 percent increase last February, inventories have been declining since November 1981 when they were valued 7.2 percent higher at \$285.8 billion. The inventory to shipments ratio for December was 1.76, and for November 1.77. The ratio for December 1981 was 1.77.

The surge in new orders in December, caused by an increase in orders for defense capital goods, mostly affected the transportation equipment industry. There orders increased \$7.0 billion or 48 percent to \$21.5 billion; in addition to the increase in defense orders for aircraft, aircraft parts and shipbuilding,

the motor vehicle and parts industry also increased this month. New orders for nonelectrical machinery were up in December \$1.1 billion or 8.8 percent to \$14.1 billion, due to an increase in the office and computing machine category. Orders for electrical machinery were up \$0.5 billion or 4.0 percent to \$12.7 billion due to an increase in the defense communication equipment category. New orders in the primary metals industry declined in December, as steel orders dropped \$0.5 billion or 17.6 percent to \$2.5 billion, following a 9.3 percent increase last month.

Shipments within the major industry groups in December, in both the durable and nondurable goods sectors, showed a mixed pattern of change. Primary metals and transportation equipment showed the largest increases while nonelectrical machinery, food products, and petroleum products showed the biggest declines. For the year, durable goods shipments were estimated at \$917.8 billion, down 8.3 percent from 1981, while nondurable goods shipments were estimated at \$966.9 billion; down 2.7 percent from 1981.

The increase in the value of manufacturers' unfilled orders in December of 2.1 percent was due mostly to the increase in the orders backlog for defense capital goods of \$7.4 billion or 8.7 percent to \$92.0 billion. Unfilled orders for nondefense capital goods declined \$0.6 billion or 0.5 percent to \$124.1 billion. The nondefense backlog has been declining generally since its peak in January 1981 when the value was 27 percent higher at \$157.0 billion.

The decline in the book value of inventories in December was widespread through the industries and affected all stages of fabrication: raw materials were down 0.9 percent, work in process was down 0.7 percent, and finished goods were down 1.3 percent.

The advance report on durable goods for January is scheduled for release on February 23, 1983, and full report is scheduled for release on March 3, 1983.

The estimates for December are generally subject to greater revisions than other months. Revisions are attributable to corrections to early estimates by companies and to the lower than normal response rates, as reporting is delayed by year end closing of records. For example, based on data from January 1977 through December 1981, the average monthly revision to durable goods new orders was 1.1 percent; for January through November the rate was 1.0 percent, while the average December change was 1.7 percent.

Address inquiries concerning these figures to U.S. Department of Commerce, Bureau of the Census, Industry Division, Washington, D.C. 20233, or call Ruth Runyan or Kathleen Swindell-Menth, (301) 763-2502.

For sale by Customer Services (DUSD) Bureau of the Census, Washington, D.C. 20233, or any U.S. Department of Commerce district office. Postage stamps not acceptable; currency submitted at sender's risk. Remittances from foreign countries must be by international money order or by a draft on a U.S. bank. Price, \$1.50 per copy, \$18.00 per year.

Table 1. VALUE OF MANUFACTURERS' SHIPMENTS FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC	Industry	Seasonally adjusted					Not seasonally adjusted ¹															
		Monthly					Quarterly					Monthly					Annual					
		Last 4 months					Last 4 months a year ago					Last 4 months a year ago					Annual					
		Dec. 1982 ^p	Nov. 1982 ^r	Oct. 1982	Sept. 1982	IV 1982 ^p	III 1982	II 1982	I 1982	Dec. 1982 ^p	Nov. 1982 ^r	Oct. 1982	Sept. 1982	Dec. 1981	Nov. 1981	Oct. 1981	Sept. 1981	1982	1981			
TOTALS																						
	All manufacturing industries.....	151,421	152,343	152,473	159,278	456,237	479,279	478,461					147,100	151,967	157,882	165,584	155,117	160,772	169,614	173,758	1,884,513	1,994,593
	Manufacturing industries excluding transportation.....	135,855	137,255	137,420	142,986	410,530	427,592	427,628					132,147	136,419	141,699	148,759	139,472	144,578	152,395	156,555	1,692,218	1,791,594
	Manufacturing industries with unfilled orders.....	78,240	78,244	77,797	81,409	234,281	244,924	248,191					76,834	78,235	80,800	84,988	82,911	85,391	89,431	92,370	976,955	1,047,238
	Durable goods industries.....	72,664	72,708	72,342	76,562	217,714	232,846	235,542					70,586	72,301	75,845	79,908	76,863	79,659	85,058	87,337	917,478	1,000,995
	Durable goods with unfilled orders.....	61,065	61,077	60,942	64,279	183,084	193,694	197,389					60,358	60,886	63,186	67,023	66,305	67,865	71,288	73,890	771,720	840,681
	Nondurable goods industries.....	78,757	79,635	80,131	82,716	238,523	246,433	242,919					76,514	79,666	82,037	85,676	78,255	81,113	84,556	86,421	967,032	993,593
	Nondurable goods with unfilled orders.....	17,175	17,167	16,855	17,130	51,197	51,230	50,802					16,476	17,349	17,614	17,965	16,606	17,526	18,143	18,480	205,233	206,551
MARKET CATEGORIES																						
	Home goods and apparel.....	10,719	10,636	10,909	11,149	32,264	33,719	32,369					9,251	11,190	12,283	12,449	9,126	11,623	12,637	12,785	131,209	136,414
	Consumer staples.....	30,032	30,176	29,943	31,361	90,151	92,228	90,931					30,147	30,834	31,111	33,186	28,566	29,271	30,036	31,169	362,080	349,263
	Equipment and defense products, except automotive.....	24,081	23,794	23,707	24,682	71,582	72,594	73,504					25,474	23,248	23,787	25,615	28,046	25,666	25,618	27,392	293,304	306,926
	Automotive equipment.....	9,922	9,564	9,315	10,983	28,801	35,933	34,637					8,719	9,908	10,766	11,312	8,645	10,315	12,051	11,078	127,576	134,995
	Construction materials, supplies, and intermediate products.....	11,448	11,555	11,537	11,787	34,540	35,788	35,224					10,571	11,323	12,278	12,522	10,638	11,493	12,829	13,282	140,225	152,654
	Other materials, supplies, and intermediate products.....	65,219	66,618	67,062	69,316	198,899	209,017	211,796					62,938	65,464	67,657	70,500	70,096	72,403	76,443	78,053	830,109	914,313
SUPPLEMENTARY SERIES ²																						
	Household durable goods industries.....	4,482	4,676	4,835	5,008	13,993	14,940	14,609					4,124	4,819	5,394	5,657	4,410	5,114	5,601	5,829	58,064	61,299
	Capital goods industries.....	26,324	26,392	26,297	27,130	79,013	80,836	82,736					27,860	26,223	26,384	28,193	31,098	29,247	28,898	30,690	326,924	344,644
	Nondefense.....	21,224	21,441	21,372	22,271	64,037	66,530	68,976					22,472	21,283	21,402	23,103	26,572	25,114	24,785	26,501	270,946	297,715
	Defense.....	5,100	4,951	4,925	4,859	14,976	14,306	13,761					5,388	4,940	4,982	5,090	4,527	4,133	4,098	4,190	55,974	46,927
INDUSTRY GROUPS AND INDUSTRIES																						
	Durable goods industries:																					
32	Stone, clay, and glass products.....	3,741	3,709	3,720	3,800	11,170	11,294	11,425					3,346	3,685	4,021	4,107	3,404	3,832	4,173	4,345	45,363	49,141
322	Glass containers.....	430	429	454	433	1,313	1,336	1,394					386	413	461	460	399	431	454	469	5,359	5,377
33	Primary metals.....	7,585	7,315	7,689	8,250	22,589	25,076	26,233					7,070	7,041	7,797	8,310	9,000	10,014	11,081	11,611	102,509	136,841
331	Blast furnaces, steel mills.....	3,151	3,061	3,065	3,597	9,277	10,936	12,049					3,009	2,942	3,077	3,554	4,663	5,029	5,560	5,820	46,519	69,188
333-9	Nonferrous and other primary metals.....	3,798	3,562	3,922	3,908	11,282	11,665	11,618					3,494	3,412	3,973	4,002	3,625	4,064	4,513	4,770	46,228	55,184
34	Fabricated metal products.....	8,849	9,108	8,921	9,520	26,878	29,165	29,736					8,928	9,391	9,991	9,876	8,812	9,295	10,450	10,611	114,390	123,276
341	Metal cans, barrels, and drums.....	823	899	890	885	2,612	2,613	2,742					702	747	852	1,011	781	753	863	1,018	10,799	11,189
35	Machinery, except electrical.....	14,257	14,535	14,044	15,402	42,836	45,128	46,819					14,970	14,015	16,204	15,865	17,692	16,856	17,272	18,009	184,254	203,732
351	Engines and turbines.....	934	1,004	1,017	1,077	2,955	3,444	3,657					937	933	978	1,111	1,315	1,392	1,324	1,472	16,233	17,966
352	Farm machinery and equipment.....	986	1,093	1,036	982	3,115	2,797	3,103					823	883	1,115	1,000	1,057	1,036	1,203	1,574	12,201	16,359
353	Construction, mining, and material-handling equipment.....	2,289	2,487	2,469	2,828	7,245	8,185	8,582					2,172	2,335	2,464	2,862	3,240	3,161	3,244	3,270	33,252	38,004
354	Metalworking machinery.....	696	726	711	794	2,133	2,587	2,617					725	706	729	798	938	907	1,024	1,109	10,234	11,966
356	General industrial machinery.....	1,293	1,249	1,197	1,225	3,739	3,801	3,743					1,296	1,192	1,269	1,248	1,478	1,411	1,552	1,454	15,465	17,172

See footnotes at end of table.

Table 1. VALUE OF MANUFACTURERS' SHIPMENTS FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES--Continued

(Millions of dollars)

SIC	Industry	Seasonally adjusted					Not seasonally adjusted ¹										Annual	
		Monthly			Quarterly		Monthly											
		Dec. 1982 ^P	Nov. 1982 ^F	Oct. 1982	Sept. 1982	IV 1982 ^P	III 1982	II 1982	Last 4 months				Last 4 months a year ago					
									Dec. 1982 ^P	Nov. 1982 ^F	Oct. 1982	Sept. 1982	Dec. 1981	Nov. 1981	Oct. 1981	Sept. 1981		
36	Electrical machinery.....	11,160	11,163	11,220	11,452	33,563	34,994	35,228	11,048	11,281	11,708	12,076	11,125	11,725	11,988	12,397	137,780	137,866
361,2	Electrical transmission and distribution equipment and industrial apparatus.....	1,638	1,578	1,556	1,733	4,772	5,135	5,222	1,569	1,567	1,575	1,782	1,767	1,835	1,859	1,947	20,441	22,326
363	Household appliances.....	1,046	1,063	1,052	1,070	3,161	3,230	3,105	959	1,010	1,111	1,155	894	1,013	1,103	1,216	12,519	13,452
365	Radio and TV.....	367	369	353	637	1,650	1,988	2,095	584	634	663	687	761	794	767	781	8,671	8,671
366	Communication equipment.....	3,672	3,660	3,953	3,732	11,285	11,488	11,352	3,804	3,620	3,936	3,841	3,396	3,525	3,556	3,606	45,090	41,122
367	Electronic components.....	2,416	2,425	2,288	2,410	7,129	7,351	7,465	2,295	2,429	2,391	2,538	2,315	2,441	2,433	2,526	28,990	28,888
37	Transportation equipment.....	15,566	15,088	15,053	16,292	45,707	51,687	50,832	14,953	15,548	16,183	16,825	15,645	16,194	17,219	17,203	192,291	202,990
371	Motor vehicles and parts.....	8,424	8,082	7,923	9,568	24,429	31,504	30,038	7,459	8,535	9,223	9,799	7,353	8,940	10,286	9,365	109,656	114,872
372,6	Aircraft, missiles, and parts.....	5,719	5,527	5,778	5,307	17,024	15,814	16,183	6,066	5,589	5,569	5,588	6,499	5,591	5,157	5,982	64,316	65,738
3731	Shipbuilding and military tank vehicles.....	897	960	852	951	2,709	2,793	2,823	945	947	871	969	1,048	958	931	983	11,127	11,604
3795	Instruments and related products.....	3,767	3,765	3,753	4,043	11,285	11,842	11,820	3,789	3,853	3,895	4,316	4,054	3,955	4,125	4,291	46,605	47,527
381-4	Scientific and engineering.....	2,307	2,170	2,137	2,466	6,614	7,102	6,868	2,328	2,160	2,169	2,597	2,464	2,369	2,505	2,582	27,576	28,507
386	Photographic goods.....	1,273	1,372	1,384	1,352	4,029	4,084	4,240	1,296	1,465	1,467	1,462	1,390	1,320	1,353	1,423	16,329	15,933
24	All other durable goods	7,739	8,025	7,942	7,803	23,706	23,660	23,449	7,044	7,950	8,646	8,553	7,130	7,788	8,749	8,870	94,268	99,585
25	Industries.....																	
20	Nondurable goods industries:																	
201	Food and kindred products.....	21,992	22,339	22,392	23,268	66,723	68,820	68,635	22,158	22,830	23,207	24,298	21,562	22,111	22,983	23,515	271,363	269,124
208	Meat products.....	5,832	5,904	6,072	6,403	17,808	18,826	18,683	5,960	6,045	6,400	6,429	5,797	5,957	6,243	6,268	72,592	70,780
209	Beverages.....	2,767	2,808	2,846	2,997	8,421	8,918	9,315	2,509	2,850	3,008	3,042	2,541	2,731	2,955	2,796	35,862	33,485
203-6,9	Fats and oils.....	1,404	1,316	1,237	1,256	3,957	4,011	4,312	1,416	1,359	1,253	1,282	1,550	1,523	1,571	1,588	16,570	18,851
21	All other foods.....	8,832	9,090	9,015	9,417	26,937	27,555	26,663	9,189	9,336	9,340	10,274	8,686	8,795	9,141	9,735	108,192	108,930
211	Tobacco products.....	1,311	1,081	1,207	1,511	3,599	3,775	3,636	1,343	1,103	1,260	1,492	1,162	1,144	1,111	1,135	14,393	13,000
22	Textile mill products.....	4,095	3,988	4,084	4,195	12,167	12,467	12,423	3,818	4,035	4,292	4,469	3,837	4,145	4,476	4,884	49,421	52,269
226	Paper and allied products.....	6,435	6,486	6,519	6,492	19,440	19,519	19,234	5,918	6,278	6,598	6,684	6,139	6,476	6,728	6,829	78,104	79,489
261-3	Pulp, paper, etc.....	2,623	2,698	2,740	2,760	7,965	8,069	7,988	2,452	2,651	2,670	2,714	2,587	2,857	2,883	2,993	32,521	34,261
265	Paperboard containers.....	1,490	1,481	1,511	1,536	4,482	4,578	4,653	1,337	1,446	1,587	1,587	1,372	1,557	1,604	1,651	18,049	18,781
264	All other paper products.....	2,322	2,307	2,364	2,216	6,993	6,872	6,793	2,129	2,181	2,341	2,383	2,129	2,062	2,241	2,185	27,528	26,447
28	Chemicals and allied products.....	13,857	14,003	13,548	14,397	41,400	43,207	42,482	13,236	13,163	13,164	14,840	13,346	13,831	15,222	15,222	168,774	175,123
281,6	Industrial chemicals, except pigments.....	4,566	4,388	4,356	4,545	13,310	13,720	13,589	4,406	4,124	4,138	4,463	4,705	4,549	4,755	5,073	54,408	60,730
283,4	Drugs, soap, and toiletries.....	4,066	4,159	3,852	4,062	12,077	12,470	12,155	4,042	4,001	3,960	4,818	3,756	3,516	3,672	4,465	47,867	44,080
29	Petroleum and coal products.....	15,731	16,467	17,352	17,431	49,550	52,097	51,468	15,926	16,429	17,098	17,443	18,067	17,972	18,459	18,199	201,869	220,326
30	Rubber and plastics products, n.e.c.....	3,225	3,423	3,483	3,654	10,131	11,051	10,831	2,906	3,264	3,699	3,778	3,319	3,515	4,134	4,074	42,586	46,504
31	All other nondurable goods industries.....	12,111	11,848	11,546	11,768	35,505	35,497	34,209	11,209	12,564	12,719	12,672	10,588	12,404	12,833	12,563	140,508	137,733

^PPreliminary.^FRevised.

¹Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations; unfilled orders and inventories are as of the end of the period and are not adjusted for trading-day or calendar-month variations.

²The supplementary series are regroupings of the separate industry categories as follows:

Household durable goods industries--Household furniture; kitchen articles and pottery; cutlery, handtools, and hardware; household appliances; radio and TV; ophthalmic goods, watches, and clocks; and miscellaneous personal goods.

Capital goods industries--Comparable to the previous producers' capital goods and the defense products (old series) categories.

Nondurable goods industries--Achnery, except electrical (excluding farm machinery and equipment and machine shops), electrical machinery (excluding household appliances, radio and TV, and electronic components), and the nondefense portions of shipbuilding and repairing and railroad equipment, communication equipment, aircraft and aircraft parts, and ordnance.

Defense products--Based on separate reports on defense work filed by large defense contractors in the following industries: Ordnance, communication equipment, aircraft and aircraft parts, and shipbuilding. The data are comparable to those published annually in the NA-175, "Shipments to Federal Government Agencies" (formerly "Shipments of Defense-Oriented Industries").

Table 2. VALUE OF MANUFACTURERS' NEW ORDERS FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Billions of dollars)

SIC	Industry	Seasonally adjusted										Not seasonally adjusted ¹									
		Monthly					Quarterly					Monthly									
		1982					1982					Last 4 months a year ago									
		Dec. 1982P	Nov. 1982P	Oct. 1982	Sept. 1982	IV 1982P	III 1982	II 1982	Dec. 1982P	Nov. 1982P	Oct. 1982	Sept. 1982	Dec. 1981	Nov. 1981	Oct. 1981	Sept. 1981	1981				
TOTALS																					
	All manufacturing industries.....	157,622	150,362	149,696	156,166	457,680	469,134	468,844	154,514	148,975	157,190	161,757	153,451	157,465	167,182	172,209	1,863,872	1,992,174			
	Manufacturing industries excluding transportation.....	136,081	135,795	135,429	141,338	407,305	420,707	419,891	133,288	134,244	139,922	145,236	139,191	142,313	148,971	154,178	1,667,044	1,789,701			
	Manufacturing industries with unfilled orders.....	84,441	76,263	75,020	78,297	235,724	234,779	238,576	84,248	75,243	80,108	81,161	81,265	82,084	86,999	90,821	956,315	1,044,811			
	Durable goods industries.....	78,729	70,607	69,598	73,266	218,934	222,694	226,454	77,812	69,430	75,222	75,921	75,381	76,894	82,956	86,032	897,679	999,262			
	Durable goods with unfilled orders.....	67,110	58,976	58,198	60,983	184,304	183,542	188,301	67,584	58,015	62,563	63,036	64,823	65,100	69,186	72,586	751,921	838,947			
	Non-durable goods industries.....	78,893	74,755	80,098	82,900	238,746	246,440	242,392	76,702	79,545	81,968	85,836	78,070	80,571	84,226	86,177	966,191	992,906			
	Industries with unfilled orders.....	17,311	17,287	16,822	17,314	51,420	51,237	50,276	16,664	17,228	17,545	18,125	16,422	16,983	17,813	18,235	204,392	205,865			
	Industries without unfilled orders.....	61,582	62,468	63,276	65,586	187,326	195,203	192,117	60,038	62,317	64,423	67,711	61,648	63,587	66,413	67,942	699,171	787,035			
MARKET CATEGORIES																					
	Home goods and apparel.....	10,892	10,683	10,772	10,978	32,347	33,258	32,071	9,277	11,100	11,986	12,088	8,877	11,232	12,011	12,574	130,824	136,193			
	Consumer staples.....	30,086	30,167	29,967	31,389	90,200	92,160	90,887	30,156	30,787	31,101	33,243	28,495	29,284	30,007	31,220	362,067	349,422			
	Equipment and defense products, except automotive.....	29,174	22,888	22,325	22,310	74,387	66,242	71,143	31,401	22,030	24,413	23,828	26,353	25,288	26,520	27,416	290,543	308,341			
	Automotive equipment.....	10,071	9,619	9,346	11,267	28,836	35,842	33,910	8,883	9,818	10,851	11,625	8,735	9,944	12,079	10,853	126,342	134,890			
	Construction materials, supplies, and intermediate products.....	11,200	10,894	11,205	11,691	33,299	35,128	33,979	10,297	10,601	11,865	12,260	10,320	11,434	12,460	12,996	136,578	152,050			
	Other materials, supplies, and intermediate products.....	66,149	66,331	66,081	68,531	198,611	206,504	206,858	64,500	64,639	66,974	68,713	70,672	70,283	74,104	77,151	817,506	911,244			
SUPPLEMENTARY SERIES ²																					
	Household durable goods industries.....	4,604	4,715	4,743	4,850	14,062	14,510	14,280	4,121	4,722	5,140	5,314	4,192	4,722	4,976	5,649	57,749	61,120			
	Capital goods industries.....	33,080	25,264	25,004	24,608	83,348	73,821	78,604	34,780	24,777	27,612	26,072	29,234	28,536	29,318	31,556	322,743	347,076			
	Non-defense.....	20,583	20,173	20,183	20,273	60,939	59,488	62,218	21,603	19,474	20,871	20,565	23,036	23,304	23,585	24,684	248,571	288,725			
	Defense.....	12,497	5,091	4,821	4,335	22,409	14,333	16,386	13,177	5,303	6,741	5,507	6,199	5,232	5,733	6,873	74,168	58,350			
INDUSTRY GROUPS AND INDUSTRIES																					
	Durable goods industries	3,731	3,715	3,676	3,852	11,122	11,310	11,311	3,323	3,672	3,949	4,110	3,407	3,825	4,177	4,185	44,840	48,955			
32	Stone, clay, and glass.....	6,872	7,466	6,943	7,983	21,281	24,821	25,207	7,497	7,065	7,180	7,531	9,802	9,201	10,091	10,463	96,521	133,894			
33	Primary metals.....	2,517	3,056	2,795	3,351	8,368	11,099	11,300	3,208	2,962	2,877	2,952	5,308	4,682	4,866	5,140	42,603	68,406			
333-5, 9	Blat furnaces, steel mills, nonferrous and other primary metal products.....	3,742	3,729	3,534	4,010	11,005	11,572	11,508	3,728	3,416	3,625	3,985	3,837	3,689	4,112	4,323	45,161	53,601			
34	Fabricated metal products.....	8,480	8,186	8,297	8,668	24,963	26,933	27,783	8,091	7,853	8,595	9,056	8,829	8,728	9,774	10,348	107,451	122,023			
35	Machinery, except electrical.....	14,111	12,970	13,824	13,978	40,905	39,945	42,685	14,771	12,825	13,928	13,833	16,853	16,675	16,667	17,389	168,155	202,444			
351	Engines and turbines.....	929	910	1,198	924	3,037	2,926	3,285	922	762	1,422	965	904	1,020	1,500	1,567	12,665	15,006			
353	Construction, mining, and material-handling equipment.....	1,830	2,391	2,009	2,540	6,230	7,187	6,643	1,822	2,160	2,099	2,508	3,149	3,020	3,071	3,120	27,834	39,964			
354	Metallurgical machinery.....	603	587	548	548	1,791	2,011	2,012	591	572	614	582	480	646	787	779	7,813	9,512			
355	General industrial machinery.....	1,238	1,049	1,042	1,137	3,329	3,292	3,271	1,170	972	1,109	1,060	1,377	1,300	1,609	1,277	13,802	17,700			

See footnotes at end of table.

Table 2. VALUE OF MANUFACTURERS' NEW ORDERS FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES--Continued

(Millions of dollars)

SIC	Industry	Seasonally adjusted						Not seasonally adjusted ¹											
		Monthly			Quarterly			Monthly						Annual					
		Dec. 1982 ^p	Nov. 1982 ^r	Oct. 1982	Sept. 1982	IV 1982 ^p	III 1982	II 1982	Dec. 1982 ^p	Nov. 1982 ^r	Oct. 1982	Sept. 1982	Dec. 1981	Nov. 1981	Oct. 1981	Sept. 1981	1982	1981	
36	INDUSTRY GROUPS AND INDUSTRIES-- Continued	12,685	12,193	11,115	12,025	35,993	35,993	36,101	12,353	11,887	12,127	12,262	11,230	11,729	11,452	12,769	143,927	141,836	
361, 2		Electrical machinery.....	1,686	1,828	1,504	1,639	5,018	4,771	4,624	1,554	1,718	1,533	1,629	1,720	1,849	1,493	1,869	19,484	22,458
363		Electrical transmission and distribution equipment and household appliances.....	1,039	1,115	1,022	1,060	3,176	3,257	3,086	962	1,022	1,060	1,126	908	990	1,011	1,188	12,530	13,387
365		Radio and TV.....	589	597	484	650	1,670	1,872	2,161	607	663	538	701	694	662	567	1,024	7,657	8,603
366		Communication equipment.....	4,828	4,308	3,723	4,556	12,859	13,296	12,932	4,944	4,061	4,476	4,593	3,747	3,713	3,883	4,227	52,011	44,685
367		Electronic components.....	2,722	2,412	2,582	2,276	7,716	7,029	7,328	2,476	2,382	2,544	2,220	2,317	2,382	2,289	2,260	29,225	28,824
37		Transportation equipment.....	21,541	14,567	14,267	14,828	50,375	48,427	48,953	21,226	14,731	17,268	16,521	14,260	15,152	18,211	18,032	196,824	202,464
372, 6		Aircraft, missiles, and parts.....	7,166	5,193	5,108	4,181	17,467	14,345	15,193	7,810	4,938	6,739	5,027	5,945	4,973	6,131	7,001	67,686	66,145
3731		Shipbuilding and military tank vehicles.....	5,339	942	727	376	7,008	1,275	2,680	5,375	892	730	954	273	1,004	971	1,183	13,899	12,162
3795		Instruments and related products.....	3,650	3,826	3,691	4,135	11,167	11,886	11,583	3,735	3,804	3,827	4,336	4,021	4,042	4,092	4,189	46,461	47,696
24	All other durable goods industries.....	7,659	7,684	7,785	7,797	23,128	23,379	22,831	6,816	7,593	8,348	8,272	6,979	7,541	8,491	8,658	93,483	99,905	

^pPreliminary.^rRevised.

¹Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations. Unfilled orders and inventories are as of the end of the period and are not adjusted for trading-day or calendar-month variations.

²The supplementary series are regroupings of the separate industry categories as follows:

Household durable goods industries--Household furniture; kitchen articles and pottery; cutlery, handtools, and hardware; household appliances, radio and TV; ophthalmic goods, watches, and clocks; and miscellaneous personal goods.

Capital goods industries--Comparable to the previous producers' capital goods and the defense products (old series) categories.

Nondefense products--Machinery, except electrical (excluding farm machinery and equipment and machine shops), electrical machinery (excluding household appliances, radio and TV, and electronic components), and the nondefense portions of shipbuilding and repairing and railroad equipment, communication equipment, aircraft and aircraft parts, and ordnance.

Defense products--Based on separate reports on defense work filed by large defense contractors in the following industries: Ordnance, communication equipment, aircraft and aircraft parts, and shipbuilding.

The data are comparable to those published annually in the VA-175, "Shipments to Federal Government Agencies" (formerly "Shipments of Defense-Oriented Industries"), for the specified industries.

Table 3. VALUE OF MANUFACTURERS' UNFILLED ORDERS FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES
(Millions of dollars)

SIC	Industry	Not seasonally adjusted												Not seasonally adjusted ¹											
		Seasonally adjusted						Quarterly						Monthly						Last 4 months					
		Monthly		Quarterly		Quarterly		Quarterly		Quarterly		Quarterly		Monthly		Monthly		Monthly		Monthly		Monthly		Monthly	
		Dec. 1982p	Nov. 1982p	Oct. 1982	Sept. 1982	II 1982	I 1982	IV 1981	III 1981	II 1981	I 1981	Dec. 1982p	Nov. 1982p	Oct. 1982	Sept. 1982	Dec. 1981	Nov. 1981	Oct. 1981	Sept. 1981	Dec. 1981	Nov. 1981	Oct. 1981	Sept. 1981	Dec. 1981	Nov. 1981
TOTALS																									
	All manufacturing industries.....	297,323	291,128	293,107	295,883	306,032	315,639	318,621	327,955	327,105	327,955	295,732	288,323	291,312	292,004	316,375	318,041	321,348	323,779	316,375	318,041	321,348	323,779	316,375	318,041
	Manufacturing industries excluding transportation.....	179,261	179,064	180,503	182,494	189,380	197,110	204,912	211,164	211,677	211,164	176,975	175,839	178,010	179,786	202,147	202,428	204,693	208,116	202,147	202,428	204,693	208,116	202,147	202,428
	Durable goods industries.....	287,924	281,861	283,960	286,706	296,866	305,947	308,370	316,841	315,618	316,841	286,592	279,470	282,244	282,866	306,395	307,877	310,642	312,743	306,395	307,877	310,642	312,743	306,395	307,877
	Nondurable goods industries.....	9,399	9,267	9,147	9,177	9,166	9,692	10,251	11,114	11,487	11,114	9,140	8,953	9,068	9,138	9,979	10,163	10,706	11,036	9,979	10,163	10,706	11,036	9,979	10,163
MARKET CATEGORIES																									
	Home goods and apparel.....	3,688	3,462	3,446	3,556	4,087	4,429	4,244	4,797	4,823	4,797	3,316	3,284	3,419	3,725	3,712	4,033	4,411	5,066	3,712	4,033	4,411	5,066	3,712	4,033
	Consumer staples.....	183,306	178,065	179,112	180,468	186,916	190,002	187,774	191,356	189,974	191,356	183,468	177,380	178,088	177,979	187,471	189,074	189,823	188,892	187,471	189,074	189,823	188,892	187,471	189,074
	Equipment and defense products, except automotive.....	13,269	13,517	14,178	14,509	15,170	16,416	16,982	17,527	17,674	17,527	12,993	13,267	13,991	14,404	16,641	16,959	17,018	17,386	16,641	16,959	17,018	17,386	16,641	16,959
	Construction materials, supplies, and intermediate products.....	97,060	96,084	96,371	97,350	99,859	104,793	109,671	114,276	114,634	114,276	95,955	94,392	95,214	95,896	108,551	107,976	110,096	112,435	108,551	107,976	110,096	112,435	108,551	107,976
SUPPLEMENTARY SERIES²																									
	Household durable goods industries.....	2,597	2,475	2,438	2,528	2,961	3,288	3,069	3,623	3,704	3,623	2,304	2,308	2,406	2,658	2,618	2,836	3,228	3,853	2,618	2,836	3,228	3,853	2,618	2,836
	Primary metals.....	216,070	209,316	210,440	211,737	218,756	222,888	220,621	224,701	222,627	224,701	215,881	208,964	210,411	209,185	220,069	221,913	222,644	222,708	220,069	221,913	222,644	222,708	220,069	221,913
	Nondefense.....	124,079	124,721	125,988	127,180	134,226	140,982	146,701	153,052	154,870	153,052	122,854	123,726	125,535	126,088	165,232	148,768	150,577	151,777	165,232	148,768	150,577	151,777	165,232	148,768
	Defense.....	91,991	84,591	84,452	84,557	84,530	81,905	73,919	71,650	67,758	71,650	93,027	85,238	84,876	83,117	74,837	73,165	72,066	70,431	74,837	73,165	72,066	70,431	74,837	73,165
INDUSTRY GROUPS AND INDUSTRIES																									
	Durable goods industries	1,689	1,699	1,692	1,736	1,720	1,835	2,241	2,155	2,296	2,155	1,591	1,614	1,628	1,700	2,113	2,110	2,117	2,113	2,113	2,110	2,117	2,113	2,113	2,110
	Stone, clay, and glass.....	20,604	21,318	21,167	21,913	22,168	23,195	26,623	29,148	29,533	29,148	20,519	20,092	20,068	20,684	26,509	25,708	26,521	27,511	26,509	25,708	26,521	27,511	26,509	25,708
	Primary metals.....	12,186	12,818	12,823	13,093	12,930	13,679	16,113	17,751	17,693	17,751	12,196	11,997	11,977	12,177	16,114	15,469	15,815	16,509	16,114	15,469	15,815	16,509	16,114	15,469
	Nonferrous and other primary metal products.....	6,217	6,273	6,106	6,493	6,586	6,697	7,302	8,078	8,526	8,078	6,124	5,890	5,886	6,233	7,192	6,981	7,355	7,756	7,192	6,981	7,355	7,756	7,192	6,981
	Fabricated metal products.....	22,236	22,605	23,528	24,150	26,384	28,334	29,260	30,170	30,598	30,170	22,035	22,310	23,386	24,181	28,976	28,958	29,525	30,199	28,976	28,958	29,525	30,199	28,976	28,958
	Machinery, except electrical.....	56,462	56,491	58,056	58,276	63,462	67,595	72,627	74,505	75,021	74,505	55,788	55,990	57,182	57,458	71,887	72,726	72,907	73,511	71,887	72,726	72,907	73,511	71,887	72,726
	Engines and turbines.....	15,233	15,238	15,332	15,151	15,668	16,039	16,411	17,183	17,771	17,183	15,307	15,322	15,494	15,050	16,501	16,912	17,284	17,108	16,501	16,912	17,284	17,108	16,501	16,912
	Construction, mining, and material-handling equipment.....	5,347	5,806	5,902	6,362	7,362	9,301	10,819	11,424	10,956	11,424	5,293	5,644	5,820	6,184	10,711	10,802	10,943	11,116	10,711	10,802	10,943	11,116	10,711	10,802
	Metallurgical machinery.....	2,413	2,506	2,645	2,755	3,332	3,937	4,870	5,742	6,452	5,742	2,377	2,511	2,645	2,760	4,797	5,255	5,516	5,753	4,797	5,255	5,516	5,753	4,797	5,255
	General industrial machinery.....	5,086	5,142	5,342	5,498	6,007	6,480	6,790	6,816	6,650	6,816	4,954	5,080	5,300	5,460	6,620	6,721	6,832	6,775	6,620	6,721	6,832	6,775	6,620	6,721

See footnotes at end of table.

Table 4. VALUE OF MANUFACTURERS' INVENTORIES FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)

Sic	Industry	Seasonally adjusted					Not seasonally adjusted ¹											
		Monthly					Quarterly				Monthly							
		Monthly		Quarterly		Monthly												
		Dec. 1982 ^a	Nov. 1982 ^a	Oct. 1982	Sept. 1982	II 1982	I 1982	IV 1981	III 1981	II 1981	Dec. 1982 ^a	Nov. 1982 ^a	Oct. 1982	Sept. 1982	Dec. 1981	Nov. 1981	Oct. 1981	Sept. 1981
TOTALS																		
31	All manufacturing industries.....	266,688	269,297	271,710	272,474	275,115	280,065	283,152	282,209	274,616	263,751	266,658	269,002	269,830	280,131	282,992	281,625	279,528
32	Manufacturing industries ex- cluding transportation.....	225,663	229,245	231,292	232,312	236,041	241,915	244,915	243,400	236,930	223,403	226,319	228,585	229,828	242,578	243,676	242,510	241,184
33	Manufacturing industries with unfilled orders.....	184,843	186,465	188,887	189,073	190,493	192,527	194,605	192,872	185,811	181,724	183,869	186,272	187,123	191,391	193,358	192,268	190,929
331	Durable goods industries.....	177,683	179,324	181,843	182,793	184,289	186,063	188,429	187,686	181,125	174,918	177,112	179,415	180,765	185,584	187,855	186,978	185,676
332	Durable goods with unfilled orders.....	163,937	165,436	167,727	168,044	169,479	171,059	172,876	171,393	165,002	161,412	163,512	165,727	166,416	170,271	172,244	171,250	169,774
333	Nondurable goods industries.....	49,005	89,973	89,867	89,681	90,826	94,002	94,723	94,523	93,492	88,833	89,546	89,587	89,065	94,547	95,137	94,648	93,852
334	Nondurable goods with unfilled orders.....	20,906	21,029	21,160	21,029	21,014	21,467	21,729	21,479	20,809	20,312	20,357	20,545	20,707	21,120	21,114	21,013	21,151
MARKET CATEGORIES																		
333-6	Home goods and apparel.....	21,081	21,071	21,327	21,416	21,598	22,041	22,948	22,084	21,434	20,155	19,873	20,525	21,170	21,947	21,854	21,802	21,825
333-61	Consumer staples.....	32,512	32,638	32,692	32,632	32,832	33,631	33,100	33,375	32,829	33,146	33,491	33,714	33,038	33,723	34,196	34,424	33,402
333-62	Equipment and defense products, except automotive.....	76,134	76,653	77,083	77,464	77,622	76,716	76,465	75,187	73,206	75,128	76,296	76,436	76,648	75,388	76,339	75,556	74,629
333-63	Automotive equipment.....	10,972	10,500	10,806	10,807	11,226	11,220	11,873	12,254	12,097	10,756	10,673	10,852	10,870	11,644	12,271	12,377	12,322
333-64	Construction materials, supplies, and intermediate products.....	19,592	19,909	20,125	20,261	20,533	21,078	22,172	22,488	21,800	19,189	19,215	19,585	19,845	21,721	21,627	21,790	22,010
333-65	Other materials, supplies, and intermediate products.....	106,397	108,526	109,677	109,894	111,304	115,379	116,613	116,821	113,249	105,377	107,110	107,890	108,259	115,708	116,705	115,683	115,120
SUPPLEMENTARY SERIES																		
333-651	Household durable goods indus- tries.....	10,352	10,302	10,548	10,678	10,744	10,896	11,256	11,026	10,549	10,000	9,902	10,215	10,508	10,870	10,906	10,913	10,844
333-652	Capital goods industries.....	86,668	87,018	87,779	87,579	87,393	86,795	86,515	85,623	82,976	85,262	86,678	87,152	86,816	85,092	86,792	86,046	84,907
333-653	Nondefense.....	71,162	71,667	72,575	72,710	73,166	72,937	73,360	73,131	70,821	70,036	71,403	72,134	72,046	72,160	73,890	73,558	72,438
333-654	Defense.....	15,506	15,351	15,204	14,869	14,227	13,857	13,154	12,492	12,155	15,226	15,275	15,018	14,770	12,925	12,402	12,488	12,419
INDUSTRY GROUPS AND INDUSTRIES																		
32	Durable goods industries:																	
321	Stone, clay, and glass products	6,196	6,361	6,413	6,332	6,382	6,544	6,792	6,766	6,351	6,012	6,044	6,091	6,156	6,600	6,443	6,407	6,576
322	Glass containers.....	703	690	694	693	678	719	697	679	633	669	676	679	683	665	679	687	665
33	Primary metals.....	22,308	23,107	23,738	23,970	24,617	26,056	26,250	25,927	24,129	22,477	22,870	23,316	23,569	26,458	26,115	25,773	25,500
331	Blast furnaces, steel mills.....	11,133	11,465	11,847	11,985	12,566	13,441	13,347	13,198	12,229	11,434	11,419	11,729	11,901	13,707	13,339	13,200	13,107
333-6	Nonferrous and other primary metals.....	9,885	10,285	10,490	10,590	10,710	11,145	11,273	11,139	10,416	9,796	10,100	10,249	10,315	11,172	11,196	11,003	10,349
34	Fabricated metal products.....	17,718	18,085	18,682	19,050	19,593	19,848	20,208	20,334	19,729	17,342	17,565	18,275	18,660	19,803	19,936	20,043	19,967
341	Metal cans, barrels, and drums.....	1,351	1,469	1,590	1,713	1,506	1,409	1,318	1,576	1,549	1,205	1,256	1,348	1,456	1,174	1,272	1,325	1,361
35	Machinery, except electrical.....	41,004	41,923	42,536	43,010	44,008	44,134	44,376	43,471	41,799	40,544	41,554	42,025	42,568	43,910	43,332	43,323	42,983
351	Engines and turbines.....	2,211	2,288	2,380	2,389	2,520	2,587	2,625	2,672	2,512	2,215	2,302	2,347	2,371	2,662	2,675	2,662	2,624
352	Farm machinery and equipment.....	2,131	2,248	2,215	2,653	2,763	2,808	2,935	2,804	2,847	2,129	2,095	2,056	2,521	2,933	2,723	2,582	2,667
353	Construction, mining, and material-handling equipment.....	9,853	10,139	10,556	10,605	11,134	10,950	10,643	10,044	9,543	9,794	10,078	10,345	10,435	10,590	10,407	10,131	9,483
354	Metalworking machinery.....	2,114	2,224	2,266	2,273	2,458	2,588	2,744	2,858	2,743	2,088	2,257	2,250	2,746	2,715	2,746	2,729	2,829
356	General industrial machinery.....	4,032	3,998	4,068	4,065	4,094	4,098	4,089	4,053	3,924	3,972	3,934	3,994	4,013	4,023	4,112	4,124	4,000

See footnotes at end of table.

Table 4. VALUE OF MANUFACTURERS' INVENTORIES FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES--Continued

SIC	Industry	(Millions of dollars)																
		Seasonally adjusted					Not seasonally adjusted											
		Monthly					Quarterly											
		Dec. 1982 ^p	Nov. 1982 ^r	Oct. 1982	Sept. 1982	II 1982	I 1982	IV 1981	III 1981	II 1981	Last 4 months Nov. 1982 ^r Oct. 1982 Sept. 1982 Dec. 1981	Last 4 months a year ago Nov. 1981 Oct. 1981 Sept. 1981						
36	Electrical machinery.....	26,502	26,745	26,670	26,669	26,950	27,526	28,110	28,142	27,234	25,824	26,230	26,337	26,430	27,425	28,080	28,098	27,849
361.2	Electrical transmission and distribution equipment and industrial apparatus.....	4,034	4,188	4,193	4,221	4,376	4,474	4,710	4,566	4,462	3,977	4,132	4,184	4,184	4,504	4,731	4,750	4,666
363	Household appliances.....	1,808	1,795	1,801	1,831	1,886	1,895	2,050	2,044	1,951	1,727	1,673	1,726	1,732	1,952	2,000	2,033	1,939
365	Radio and TV.....	1,529	1,551	1,621	1,661	1,799	1,799	1,866	1,732	1,549	1,463	1,479	1,564	1,646	1,774	1,774	1,746	1,715
366	Communication equipment.....	9,603	9,446	9,289	9,334	9,410	9,334	9,241	9,337	9,257	9,392	9,302	9,290	9,302	9,139	9,290	9,252	9,138
367	Electronic components.....	5,517	5,649	5,591	5,509	5,565	5,680	5,823	5,823	5,710	5,435	5,514	5,535	5,492	5,741	5,880	5,396	5,810
37	Transportation equipment.....	41,025	40,032	40,418	39,074	38,150	38,237	38,409	37,686	37,686	40,348	40,417	40,002	39,316	39,115	39,115	39,115	38,344
371	Motor vehicles and parts.....	8,507	8,096	8,381	8,468	8,649	8,673	9,226	9,608	9,596	8,260	8,327	8,527	8,603	8,968	9,621	9,813	9,761
372.6	Aircraft, missiles, and parts	29,130	28,759	28,810	28,422	26,893	25,681	24,429	24,759	23,852	28,713	28,765	28,665	28,139	24,405	25,214	24,778	24,203
373.1	Shipbuilding and military tank vehicles.....	1,522	1,402	1,469	1,481	1,672	1,909	2,181	2,244	2,255	1,459	1,455	1,498	1,512	2,061	2,326	2,409	2,299
38	Instruments and related products.....	9,231	9,289	9,388	9,398	9,393	9,399	9,528	9,610	9,372	8,933	9,081	9,222	9,325	9,288	9,368	9,373	9,463
381-4	Scientific and engineering.....	6,522	6,629	6,635	6,618	6,600	6,482	6,473	6,399	6,389	6,398	6,530	6,543	6,565	6,407	6,443	6,404	6,428
386	Photographic goods.....	2,195	2,197	2,263	2,280	2,288	2,405	2,537	2,537	2,405	2,037	2,098	2,199	2,262	2,357	2,385	2,430	2,490
24	All other durable goods industries.....	13,699	13,762	13,978	14,202	14,272	14,404	14,814	15,141	14,824	13,438	13,479	13,732	14,075	14,548	14,710	14,331	14,994
20	Nondurable goods industries:																	
201	Food and kindred products.....	19,943	19,944	19,911	19,972	19,830	20,405	21,290	20,400	21,296	20,661	21,130	21,027	20,160	21,121	22,215	22,154	21,441
208	Meat products.....	1,749	1,782	1,780	1,769	1,803	1,934	1,711	1,840	1,999	1,737	1,858	1,807	1,716	1,697	1,871	1,955	1,785
207	Beverages.....	3,496	3,423	3,388	3,421	3,579	3,619	3,664	3,740	3,617	3,545	3,423	3,439	3,383	3,713	3,673	3,729	3,699
203-6.9	Fats and oils.....	1,228	1,221	1,154	1,293	1,381	1,298	1,403	1,501	1,512	1,403	1,482	1,200	966	1,604	1,791	1,474	1,121
21	All other foods.....	11,832	11,879	11,961	11,862	11,433	11,778	11,884	12,499	12,434	12,377	12,770	12,942	12,455	12,432	13,208	13,405	13,112
22	Tobacco products.....	4,434	4,456	4,417	4,492	4,697	4,572	4,088	4,572	4,733	4,709	4,537	4,496	4,469	4,474	4,311	4,252	4,063
26	Textile mill products.....	6,323	6,386	6,350	6,369	6,367	6,367	7,011	7,008	6,949	6,154	6,128	6,052	6,180	6,625	6,776	6,715	6,810
261-3	Pulp, paper, etc.....	8,864	8,880	8,890	8,831	8,757	8,921	8,825	8,545	8,239	8,702	8,718	8,698	8,644	8,667	8,642	8,475	8,362
265	Pulp, paper, etc.....	3,577	3,643	3,648	3,638	3,576	3,540	3,461	3,166	3,166	3,561	3,610	3,607	3,574	3,446	3,327	3,327	3,217
284	Paperboard containers.....	2,344	2,315	2,355	2,295	2,291	2,312	2,392	2,309	2,192	2,259	2,253	2,267	2,263	2,308	2,317	2,243	2,277
286	All other paper containers.....	2,943	2,932	2,887	2,898	2,890	3,070	2,972	2,961	2,881	2,882	2,855	2,824	2,807	2,913	2,905	2,900	2,863
28	Chemicals and allied products.....	19,735	20,065	20,396	20,272	20,973	21,428	21,615	21,334	20,917	19,716	19,794	19,893	19,793	21,622	21,595	21,195	20,339
281.6	Industrial chemicals, except pigments.....	5,918	6,103	6,250	6,293	6,546	6,763	6,962	6,876	6,864	5,877	6,036	6,106	6,148	6,928	6,909	6,778	6,725
283.4	Drugs, soap, and toiletries.....	6,271	6,367	6,347	6,287	6,450	6,690	6,492	6,324	6,283	6,220	6,335	6,264	6,186	6,416	6,416	6,375	6,229
29	Petroleum and coal products...	9,338	9,764	9,201	9,274	10,531	10,531	10,564	10,810	11,423	9,361	9,935	9,404	9,466	10,573	10,621	10,740	11,024
30	Rubber and plastics products.																	
	n.e.c.....	5,681	5,688	5,803	5,678	6,046	6,153	6,298	6,434	6,308	5,626	5,453	5,602	5,544	6,236	6,280	6,250	6,231
23	All other nondurable goods industries.....	14,687	14,790	14,899	14,793	15,055	15,406	15,015	15,628	14,626	13,924	13,851	14,415	14,809	14,828	14,769	14,967	15,031

^pPreliminary.

^rShipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations: unfilled orders and inventories are as of the end of the period and are not adjusted for trading-day or calendar-month variations.

^sThe supplementary series are regroupings of the separate industry categories as follows:

Household durable goods industries--Household furniture; kitchen articles and pottery; cutlery, handtools, and hardware; household appliances, radio and TV, ophthalmic goods, watches, and clocks, and miscellaneous personal goods.

Capital goods industries--Comparable to the previous producers' capital goods and the defense products (old series) categories.

Nondurable goods industries--Machinery, except electrical (excluding farm machinery and equipment and machine shops), electrical machinery (excluding household appliances, radio and TV, and electronic components), and the nondefense portions of shipbuilding and repairing and railroad equipment, communication equipment, aircraft and aircraft parts, and ordnance.

Defense products--Based on separate reports on defense work filed by large defense contractors in the following industries: Ordnance, communication equipment, aircraft and aircraft parts, and shipbuilding. The data are comparable to those published annually in the NA-175, "Shipments to Federal Government Agencies" (formerly "Shipments of Defense-Oriented Industries"), for the specified industries.

Table 5. VALUE OF MANUFACTURERS' INVENTORIES, BY STAGE OF FABRICATION, BY INDUSTRY GROUP
(Millions of dollars)

Industry	Seasonally adjusted										Not seasonally adjusted									
	Monthly					Quarterly					Monthly									
											Last 4 months					Last 4 months a year ago				
	Dec. 1982P	Nov. 1982P	Oct. 1982	Sept. 1982	II 1982	I 1982	IV 1981	III 1981	II 1981	I 1981	Dec. 1982P	Nov. 1982P	Oct. 1982	Sept. 1982	Dec. 1981	Nov. 1981	Oct. 1981	Sept. 1981		
TOTALS	266,688	269,297	271,710	272,474	275,115	280,065	283,152	282,209	274,616		263,751	266,658	269,002	269,830	280,131	282,992	281,625	279,528		
All manufacturing industries.....	177,683	179,124	181,843	182,793	184,289	186,063	188,429	187,686	181,125		174,918	177,112	179,415	180,765	185,584	187,855	186,978	185,676		
Durable goods industries.....	6,196	6,361	6,413	6,332	6,382	6,564	6,792	6,766	6,351		6,012	6,044	6,091	6,156	6,600	6,448	6,448	6,576		
Stone, clay, and glass products.....	22,308	23,107	23,738	23,970	24,617	26,056	26,250	25,927	24,129		22,477	22,820	23,316	23,569	26,458	26,115	25,773	25,500		
Primary metals.....	17,718	18,085	18,682	19,050	19,593	19,848	20,208	20,334	19,729		17,342	17,565	18,273	18,660	19,803	19,966	20,048	19,967		
Fabricated metals.....	41,004	41,923	42,556	43,010	44,008	44,134	44,376	43,471	41,799		40,544	41,554	42,025	42,548	43,910	43,832	43,428	42,983		
Nonferrous metals.....	26,502	26,745	26,670	26,669	26,950	27,526	28,142	28,110	27,234		26,230	26,312	26,337	26,430	27,425	28,080	28,098	27,849		
Electrical machinery.....	41,025	40,052	40,418	40,162	39,074	38,150	38,237	38,409	37,686		40,368	40,339	40,417	40,002	37,553	39,316	39,115	38,344		
Transportation equipment.....	9,231	9,284	9,388	9,398	9,393	9,399	9,610	9,528	9,372		9,933	9,081	9,222	9,325	9,288	9,368	9,378	9,463		
Instruments and related products.....	13,699	13,762	13,978	14,202	14,272	14,404	14,814	15,141	14,824		13,438	13,474	13,732	14,075	14,548	14,710	14,831	14,994		
All other durable goods industries.....	89,005	89,973	89,867	89,681	90,826	94,002	94,723	94,523	93,492		88,833	89,566	89,587	89,065	94,547	95,137	94,668	93,852		
Nondurable goods industries.....	19,735	20,065	20,396	20,272	20,973	21,428	21,615	21,334	20,917		19,716	19,784	19,893	19,793	21,622	21,523	21,195	20,839		
Chemicals and allied products.....	9,358	9,364	9,201	9,274	9,101	10,531	10,544	10,544	10,423		9,935	9,404	9,404	9,466	10,573	10,740	10,740	11,024		
Petroleum and coal products.....	5,681	5,688	5,803	5,678	6,046	6,133	6,298	6,434	6,308		5,626	5,653	5,626	5,544	6,236	6,280	6,250	6,281		
Rubber and plastics products, n.e.c.....	54,251	54,436	54,467	54,457	54,706	55,891	56,266	55,945	54,843		54,130	54,364	54,688	54,262	56,115	56,713	56,463	55,707		
All other nondurable goods industries.....																				
MATERIALS AND SUPPLIES																				
All manufacturing industries.....	88,463	89,105	89,918	90,503	92,357	94,214	96,476	96,514	94,091		88,677	88,617	89,368	89,655	96,675	96,234	96,268	95,643		
Durable goods industries.....	53,020	53,491	54,282	54,703	55,643	56,897	58,461	58,908	57,017		52,866	53,192	54,106	54,526	58,298	58,869	58,957	58,778		
Stone, clay, and glass products.....	2,065	2,162	2,194	2,149	2,224	2,332	2,372	2,389	2,357		2,094	2,116	2,153	2,159	2,405	2,338	2,360	2,399		
Primary metals.....	7,822	7,799	7,917	8,139	8,698	8,694	8,909	8,750	8,342		8,047	7,893	7,977	8,138	9,170	8,996	8,868	8,750		
Fabricated metals.....	6,735	6,930	7,169	7,132	7,232	7,388	7,704	7,888	7,503		6,674	6,728	7,009	7,090	7,642	7,709	7,734	7,858		
Nonferrous metals.....	10,597	10,859	11,000	11,458	11,720	11,565	11,565	11,568	11,269		10,604	10,837	11,040	11,037	11,381	11,647	11,623	11,436		
Electrical machinery.....	7,361	7,586	7,524	7,433	7,514	7,902	8,295	8,402	8,137		7,205	7,323	7,370	7,398	8,126	8,215	8,333	8,364		
Transportation equipment.....	10,493	10,158	10,283	10,436	10,287	10,169	10,706	10,778	10,446		10,265	10,265	10,313	10,391	10,476	10,802	10,763	10,763		
Instruments and related products.....	2,732	2,688	2,799	2,866	2,836	2,982	2,982	3,019	3,016		2,718	2,665	2,757	2,864	2,960	3,004	3,006	3,001		
Transportation equipment.....	5,215	5,309	5,396	5,384	5,594	5,710	5,928	6,114	5,947		5,219	5,361	5,487	5,469	5,940	6,158	6,233	6,207		
All other durable goods industries.....	35,443	35,414	35,636	35,800	36,714	37,317	38,015	37,606	37,074		35,831	35,425	35,262	35,129	38,377	37,365	37,311	36,865		
Nondurable goods industries.....	7,656	7,753	7,959	8,121	8,112	8,169	8,333	8,395	8,222		7,688	7,584	7,765	7,956	8,367	8,133	8,161	8,240		
Chemicals and allied products.....	2,412	2,490	2,201	2,372	2,399	2,452	2,658	2,398	2,452		2,320	2,320	2,344	2,379	2,562	2,482	2,619	2,395		
Petroleum and coal products.....	2,064	1,987	2,028	1,898	2,024	2,184	2,448	2,427	2,385		2,062	1,909	1,994	1,905	2,444	2,391	2,402	2,434		
Rubber and plastics products, n.e.c.....	23,311	23,584	23,448	23,409	24,179	24,512	24,576	24,386	23,648		23,761	23,409	23,159	22,889	25,004	24,359	24,129	23,796		
All other nondurable goods industries.....																				
WORK IN PROCESS																				
All manufacturing industries.....	93,902	94,579	95,423	95,571	96,859	97,358	99,010	98,834	96,523		92,202	94,006	94,959	95,189	97,230	99,629	99,035	98,425		
Durable goods industries.....	79,281	79,786	80,566	80,379	81,304	81,729	82,814	82,621	80,362		77,843	79,288	80,000	79,959	81,306	83,494	82,998	82,192		
Stone, clay, and glass products.....	968	984	975	955	919	957	1,033	1,032	923		884	904	899	921	944	922	931	904		
Primary metals.....	8,826	9,390	9,720	9,590	9,864	10,678	10,817	10,604	9,755		8,743	9,156	9,473	9,503	10,722	10,583	10,526	10,498		
Fabricated metals.....	6,335	6,382	6,607	6,836	7,101	7,302	7,339	7,259	7,176		6,086	6,181	6,519	6,727	7,059	7,217	7,271	7,159		
Nonferrous metals.....	16,716	17,038	17,458	17,501	18,232	18,423	19,266	19,192	18,507		16,527	17,057	17,366	17,373	19,060	19,682	19,180	19,031		
Electrical machinery.....	13,534	13,464	13,309	13,354	13,643	13,654	13,871	13,784	13,522		13,209	13,387	13,302	13,319	13,534	13,879	13,892	13,736		
Transportation equipment.....	23,847	23,398	23,327	24,990	24,231	23,404	23,002	23,355	23,074		25,490	25,574	25,377	24,957	22,666	24,076	23,857	23,700		
Instruments and related products.....	4,047	4,085	4,116	4,030	4,145	4,108	4,187	4,109	4,043		3,907	4,020	4,051	4,020	4,036	4,064	4,083	4,101		
All other durable goods industries.....	3,008	3,045	3,054	3,123	3,169	3,203	3,301	3,286	3,161		3,297	3,009	3,033	3,139	3,285	3,271	3,258	3,303		
Nondurable goods industries.....	14,621	14,793	14,857	15,192	15,555	15,629	16,196	16,213	16,161		14,359	14,718	14,959	15,230	15,924	16,135	16,037	16,233		
Chemicals and allied products.....	3,242	3,420	3,374	3,416	3,638	3,641	3,429	3,515	3,489		3,233	3,362	3,359	3,384	3,422	3,466	3,510	3,482		
Petroleum and coal products.....	2,342	2,347	2,340	2,575	2,556	2,800	3,026	2,944	2,951		2,319	2,392	2,392	2,343	2,995	2,792	2,702	2,885		
Rubber and plastics products, n.e.c.....	1,121	1,145	1,188	1,232	1,269	1,216	1,189	1,188	1,163		1,127	1,147	1,193	1,230	1,194	1,206	1,148	1,186		
All other nondurable goods industries.....	7,916	7,881	7,955	7,969	8,094	8,172	8,552	8,366	8,558		7,680	7,817	8,062	8,086	8,313	8,671	8,677	8,680		
FINISHED GOODS																				
All manufacturing industries.....	84,323	85,413	86,369	86,400	85,899	88,492	87,664	86,863	84,001		82,872	84,035	84,675	84,986	86,226	87,129	86,323	85,459		
Durable goods industries.....	45,382	46,067	46,995	47,711	47,342	47,435	47,153	46,158	43,764		44,229	44,632	45,309	46,280	45,981	45,492	45,033	44,706		
Stone, clay, and glass products.....	3,163	3,215	3,2,																	

Table 6. PERCENT CHANGES AND REVISIONS FOR MANUFACTURERS' SHIPMENTS, INVENTORIES, AND ORDERS

(Based on seasonally adjusted data)

Item and industry group	Percent change							Revision ²		
	Month-to-month			Average monthly rate of change ¹				Year ago Dec. 1981	Average monthly	
	Nov. 1982- Dec. 1982	Oct. 1982- Nov. 1982	Sept. 1982- Oct. 1982	Fourth quarter 1982	Third quarter 1982	Second quarter 1982	Jan. 1982- through Dec. 1982		Dec. 1981 through Nov. 1982	Dec. 1977- 1981
Shipments:										
All manufacturing industries.....	-0.6	-0.1	-4.3	-1.7	-0.5	+0.8	-0.4	0.4	0.3	0.7
Durable goods industries.....	-0.1	+0.5	-5.5	-1.7	-1.0	+0.3	-0.7	0.2	0.3	0.8
Nondurable goods industries.....	-1.1	-0.6	-3.1	-1.6	0.0	+1.3	-0.2	0.5	0.4	0.5
Inventories:										
All manufacturing industries.....	-1.0	-0.9	-0.3	-0.7	-0.3	-0.6	-0.5	0.3	0.1	0.3
New orders:										
All manufacturing industries.....	+4.8	+0.4	-4.1	+0.3	-0.2	0.0	+0.1	0.5	0.3	0.7
Durable goods industries.....	+11.5	+1.4	-5.0	+2.4	-0.6	-1.4	+0.2	0.5	0.6	0.9
Nondurable goods industries.....	-1.1	-0.4	-3.4	-1.6	+0.2	+1.3	-0.1	0.5	0.4	0.4
Unfilled orders:										
Durable goods industries.....	+2.2	-0.7	-1.0	+0.1	-1.2	-1.0	-0.6	0.0	0.1	0.1

- Represents zero.

¹Method of calculation of these percentages for the quarter and the 12-month time intervals reflect compounded monthly growth rates.²The revisions are the differences between the month-to-month percent changes of the preliminary and final estimates. The monthly averages are the simple averages of the differences, without regard to sign, for the months specified. The advance to final percent change differences for the durable goods industries are shown in the advance report for the month.

Table 7. RATIO OF MANUFACTURERS' INVENTORIES TO SHIPMENTS AND UNFILLED ORDERS TO SHIPMENTS, BY INDUSTRY GROUP

(Based on seasonally adjusted data)

Industry group	Inventories--shipments ratio				Unfilled orders--shipments ratio ¹ (months' backlog)			
	December 1982	November 1982	October 1982	September 1982	December 1982	November 1982	October 1982	September 1982
All manufacturing industries.....	1.76	1.77	1.78	1.71	3.80	3.72	3.77	3.63
Durable goods industries.....	2.45	2.47	2.51	2.39	4.72	4.61	4.66	4.46
Stone, clay, and glass products.....	1.66	1.72	1.72	1.67	0.51	0.52	0.52	0.52
Primary metals.....	2.94	3.16	3.09	2.91	2.72	2.91	2.75	2.66
Fabricated metals.....	2.00	1.99	2.09	2.00	2.77	2.75	2.93	2.80
Machinery, except electrical.....	2.88	2.88	3.03	2.79	4.25	4.20	4.46	4.04
Electrical machinery.....	2.37	2.40	2.38	2.33	5.21	5.07	4.95	4.86
Transportation equipment.....	2.64	2.65	2.69	2.47	11.89	11.55	11.58	11.51
Instruments and related products.....	2.45	2.47	2.50	2.32	1.87	1.90	1.89	1.77
Nondurable goods industries.....	1.13	1.13	1.12	1.08	0.55	0.54	0.54	0.54
Food and kindred products.....	0.91	0.89	0.89	0.86	(X)	(X)	(X)	(X)
Tobacco products.....	3.38	4.12	3.66	2.97	(X)	(X)	(X)	(X)
Textile mill products.....	1.54	1.60	1.55	1.52	(NA)	(NA)	(NA)	(NA)
Paper and allied products.....	1.38	1.37	1.36	1.36	(NA)	(NA)	(NA)	(NA)
Chemicals and allied products.....	1.42	1.43	1.51	1.41	(X)	(X)	(X)	(X)
Petroleum and coal products.....	0.59	0.59	0.53	0.53	(X)	(X)	(X)	(X)
Rubber and plastics products, n.e.c.....	1.76	1.66	1.67	1.55	(X)	(X)	(X)	(X)

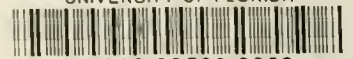
(NA) Not available. ^PPreliminary. ^RRevised. (X) Not applicable.¹Excludes the following industries with no unfilled orders: Wood and lumber products; glass containers; metal cans, barrels, and drums; farm machinery and equipment; motor vehicle assembly operation; other transportation equipment; foods and related products; tobacco; apparel and related products; building paper; die-cut paper and board; chemicals; petroleum and coal products; and rubber and plastics products, n.e.c.

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